

GROMOV, K.Ya.; ZHELEV, Zh.T.; ZVOL'SKA, V.; KALINNIKOV, V.G.

Decay of Er^{161} . *IAd. fiz.* 2 no.5:783-793 N '65.

(MIRA 18:12)

1. Ob'yedinennyy institut yadernykh issledovaniy. 2. Sotrudnitsa
Prazhskogo Instituta yadernykh issledovaniy, Chexoslovakiya
(for Zvol'ska).

ABRAMS, A.L.; ABRAMSON, A.L.; GALT, J.C.; GALT, J.C.;
KOSHEV, B.S.

Spectra of conversion electrons from the isotopes
 Ta^{180} , Yb^{164} , Ta^{164} , and Ta^{164} . Izv. AN BSSR. Ser. Fiz.-mat.
nauk 9 no. 6:56-63 1965. (U.S. 19:1)

1. Ob"yedinennyi institut yadernykh issledovaniy i tekhnikeskoy
pol'tekhnicheskoy institut. Belorusskiy SSR, Minsk.

CHEN, F. Ya.; CHEN, Zh.; KUN SYAN-TSUN' [Kun Syan-tsun];
MILITARY, G.; KUN' SHU-ZHUN' [Kun Shu-zhun]

Positron decay of Eu^{147} . Izv. AN SSSR. Ser. Fiz. Khim. no. 12:
2239-2242. P. 165. (MIRA 19:1)

L 23733-66 EWT(m) DIAAP JD/JG

ACC NR: AP6014812

SOURCE CODE: UR/0367/65/001/002/0201/0204

AUTHOR: Gromov, K. Ya.; Gnatovich, V.---Hnatowicz, V.; Danagulyan, A. S.; Strigachev, A. T.; ~~Shpinel', V. S.~~ ~~Shpinel, V. S.~~

ORG: Joint Institute of Nuclear Research (Ob'yedinenyy institut yadernykh issledovaniy); Scientific Research Institute of Nuclear Physics, Moscow State University
(Nauchno-issledovatel'skiy institut yadernoy fiziki Moskovskogo gosudarstvennogo universiteta) 29
B

TITLE: Two-hour (7.7 ksec) Lu sup 168 isomer 19

SOURCE: Yadernaya fizika, v. 1, no. 2, 1965, 201-204

TOPIC TAGS: lutetium, isomer, beta decay

ABSTRACT: ²⁷The electron conversion lines, previously ascribed (by Gromov and others, DAN SSSR, 136, 325, 1961) to the 87.5 KEV transition in the decay of a new Lu¹⁶⁸ isomer ($T_{1/2} = 2.15$ hours = 7.7 ksec) have been reinvestigated. It has been determined from the energy differences of the K, L₂, L₃, M₂, M₃, and N lines that these lines are connected with an 88.3 KEV transition in an Hf nucleus. Because of this, there is now no reason to suppose the existence of a two-hour Lu¹⁶⁸ isomer, and the transition with an energy of 88.3 KEV is evidently due to beta-decay of an isomer state in Lu¹⁷⁶. Orig. art. has: 2 figures and 3 tables. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 20 / SUBM DATE: 18Sep64 / ORIG REF: 003 / OTH REF: 002

Card 1/1 *new*

L 26694-66 EWT(m) DIAAP JD/JG

ACC NR: AP6016896

SOURCE CODE: UR/0367/65/002/005/0783/0793

AUTHOR: Gromov, K. Ya.; Zhelev, Zh. T.; Zvol'ska, V. -- Zvol'ska, V.; Kalinnikov, V. G.

ORG: Joint Institute of Nuclear Research (Ob'yedinenyy institut yadernykh issledovaniy); [Zvol'ska/ Prague Institute of Nuclear Research (Prazhskiy institut yadernykh issledovaniy)]

TITLE: Decay of Er sup 161

SOURCE: Yadernaya fizika, v. 2, no. 5, 1965, 783-793

TOPIC TAGS: radioactive decay, positron, erbium, holmium, spectrometer, electron spectrum

ABSTRACT: ¹⁹ ^{27/9} ²⁷ Positron radiation of Er¹⁶¹ ($E_0 = 820 \pm 40$ keV) was observed with a triple-focusing magnetic spectrometer. Data are presented for the conversion electron spectrum and the multiplicity of certain transitions in the Ho¹⁶¹ nucleus. The Er¹⁶¹ \rightarrow Ho¹⁶¹ decay-scheme is determined and presented. The 1897 and 1943 keV levels are interpreted as three-quasi-particle states. The authors express deep thanks to A. V. Kudryavtsevaya for the help on the work and to N. I. Pyatov and V. M. Mikhaylov for checking the decay-scheme. Orig. art. has: 5 figures and 2 tables. [JPRS]

SUB CODE: 20 / SUBM DATE: 09Apr65 / ORIG REF: 011 / OTH REF: 010

SOV REF: 012

Card 1/1 BLG

L 26659-66 EWT(m) DIAAP JD/JG

ACC NR: AP6017114

SOURCE CODE: UR/0048/65/029/012/2235/2238

AUTHOR: Gromov, K. Ya.; Zhelev, Zh. T.; Kalinnikov, V. G.; Kuznetsov, V. V.;
Kun, Syan-tsein'; Muziol', G.; Han', Shu-zhun'; Khalkin, V. A.

ORG: none

B5
B

TITLE: Positrons in Gd sup 147 decay [This paper was presented at the 15th Annual
Conference on Nuclear Spectroscopy and the Structure of the Atomic Nucleus, held in
Minsk from 25 January to 2 February 1965]

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 29, no. 12, 1965, 2235-2238

TOPIC TAGS: positron, gadolinium, spectrometer, scintillation spectrometer,
tantalum, europium, gamma spectrum, isotopes, radioactive decay

ABSTRACT: The positron emission of Gd¹⁴⁷ is studied with a scintillation
spectrometer and a triple-focussing beta spectrometer. The gadolinium
sample was extracted from a tantalum target that had been irradiated for
2 hours at 660 Mev. The purpose of this work was to determine the Eu¹⁴⁷
levels that are populated by positron decay of Gd¹⁴⁷. This is done by
studying the triple coincidence of the 511-511 kev gamma quanta and the
quanta of the entire gamma spectrum. The equipment used is diagrammed in
the following paper (in the same journal).

Triple coincidence spectra are plotted for two geometries of the
detectors. The lone peak at 230 kev leads the authors to assume that a

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L 26659-66

ACC NR: AP6017114

large fraction of the positrons populates the 229 kev level. The remainder is shown to go to ground state. The schematic diagram of Gd^{147} Eu^{147} is shown. Orig. art. has: 4 figures and 1 formula. [JPRS]

SUB CODE: 20 / SUBM DATE: none / ORIG REF: 012 / OTH REF: 003

Cord 2/2

BLQ

L 26653-66 EWT(m) DIAAP JD/JG

ACC NR: AP6017119

SOURCE CODE: UR/0048/65/029/012/2239/2242

AUTHOR: Gromov, K. Ya.; Zhelev, Zh.; Kun, Syan-Tszin; Muziol', G.; Khan', Shu-Zhun'

ORG: none

19
TITLE: Positron decay of Eu sup 147 [This paper was presented at the 15th Annual
Conference on Nuclear Spectroscopy and the Structure of the Atomic Nucleus, held in
Minsk from 25 January to 2 February 1965]

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 29, no. 12, 1965, 2239-2242

27
TOPIC TAGS: radioactive decay, positron, europium, nuclear spectroscopy, gadolinium,
tantalum, synchrotron, proton, isotope, gamma spectrum, scintillator

19
ABSTRACT: The predicted $\text{Eu}^{147} \rightarrow \text{Sm}^{147}$ decay energy implies positron emission
during decay. The purpose of this paper is to establish experimentally the
 Sm^{147} level terminating the β^+ decay of Eu^{147} . The sample was obtained
by repeated extraction of Eu from the Gd fraction from a tantalum target that
had been irradiated with 660 Mev protons in the Dubna synchrotron and by
repeated purification from gadolinium. The sample was stored for 2 months
to rid it of Eu^{149} and Eu^{146} .

27
A triple-coincidence scintillator was used to measure the coincidence
of the 511-511 kev gamma quanta and the quanta of the entire gamma spectrum.
The construction and operation of the scintillator is described in detail

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L 26653-66

ACC NR: AP6017119

and its block diagram is shown. Two angular geometries for the orientation of the detector were used, and measurements made with these configurations are compared.

Peaks were found at 120 and 200. According to calculations, the intensities of the β^+ transitions to ground state, 121, and 198 kev were 0.15 ± 0.07 , 0.10 ± 0.03 , and $0.13 \pm 0.04\%$ respectively, per event. Results are compared in detail with those of other authors. The schematic of Eu¹⁴⁷ to the 0, 121, and 198 levels of Sm¹⁴⁷ is shown.

The authors thank V. G. Kalinnikov and V. I. Nikitin respectively for valuable discussions and assistance in making the measurements. The authors give further thanks to N. A. Lebedev and V. A. Khalkin for preparing the Eu. Orig. art. has: 3 figures and 2 tables. [JPRS]

SUB CODE: 20 / SUM DATE: none / ORIG REF: 006 / OTH REF: 006

Card 2/261

ACC NR: APO010050

SOV. CODE: 007010/007000/00/0000

AUTHOR: Masina, A. S.; Lediko, T.; Gromov, K. Ya.; Dzhelapov, I. S.; Lobedov, N. A.;
Morozov, V. A.; Novgorodov, A. F.

ORG: Joint Institute of Nuclear Studies (Ob'yedinenyy institut yadernykh issledovaniy); Leningrad State University (Leningradskiy gosudarstvennyy universitet)

TITLE: Decay of Pr sup 138 ¹⁴ This paper was given at the 14th Annual Conference on Nuclear Spectroscopy, Tbilisi, February 1964.

SOURCE: Yadernaya fizika, v. 2, no. 6, 1965, 966-973

TOPIC TAGS: radioactive decay, praseodymium, gamma spectrum, conversion electron spectrum, cerium

ABSTRACT: The γ -spectrum, $\gamma\gamma$ - and $\beta^+\gamma$ - coincidence spectra, and the conversion electron spectra of praseodymium samples obtained from Ta, Te, and Er irradiated with 660 Mev protons were measured. The relative intensities of the γ -transitions with energies of 303, 789, and 1047 kev, observed in the γ -spectrum of Pr¹³⁸, were determined and tabulated. The $\gamma\gamma$ -coincidence experiments give evidence of a cascade of transitions having the energies of 303-1047-789 kev. Measured $\beta^+\gamma$ -coincidences did not confirm the existence of the β^+ decay of Pr¹³⁸ to the 1840 kev level. The conversion electron transitions of 303 \pm 1 and 789 \pm 3 kev were investigated

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L 39835-66

ACC NR: AF6018850

on a lens-type beta spectrometer. The internal conversion coefficients $\alpha_{K303} = 0.14 \pm 0.02$ and $\alpha_{K769} = 3.42 \times 10^{-3}$ were determined. The first coefficient indicates that the 303 kev transition is type E3, while the second does not contradict the assumption that the 769 kev transition is purely E2. The quantum characteristics of the excited states of Ce^{138} are discussed. Orig. art. has: 3 figures and 4 tables. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 20 / SUBM DATE: 06Mar65 / ORIG REF: 004 / OTH REF: 005

Card 2/2

L 28954-66 EWT(m)/EWP(t)/ETI IJP(c) JD/JG

ACC NR: AP6019088

SOURCE CODE: UR/0367/66/003/001/0008/0012

AUTHOR: Gnatovich, V.; Gromov, K.

ORG: Joint Institute for Nuclear Research (Ob'yedinennyy institut yadernykh issledovaniy)

TITLE: 'Collective' levels in odd-A deformed nuclei in the rare earth region

SOURCE: Yadernaya fizika, v. 3, no. 1, 1966, 8-12

TOPIC TAGS: deformed nucleus, rare earth element

ABSTRACT: Experimental data on "collective" levels in odd-A deformed nuclei in the rare earth region are reviewed. Orig. art. has: 1 figure and 2 tables. [JPRS]

SUB CODE: 20/ SUBM DATE: 08May65 / ORIG REF: 011 / OTH REF: 016

Card 1/1

BLQ

L 26783-66 EWT(m)

SOURCE CODE: UR/0166/65/000/006 ⁶⁰6056/0063 ₈

ACC NR: AP6017454

AUTHOR: Abdumalikov, A. A.; Abdurazakov, A. A.; Gnatovich, V.; Gromov, K. Ya.;
Dzhelepov, B. S.

ORG: Joint Institute of Nuclear Research (Ob'yedinyy institut yadernykh issledovaniy);
Tashkent Polytechnic Institute (Tashkentskiy politekhnicheskiy institut)

TITLE: Investigation of conversion electron spectra of the isotopes Tu sup 166,
Yb sup 164, Tu sup 164, and Tu sup 162

SOURCE: AN UzSSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, no. 6, 1965, 56-63

TOPIC TAGS: conversion electron spectrum, ytterbium, thulium, constant magnetic
field, isotope, spectrographic analysis, tantalum, synchrocyclotron, gamma transition,
radioactive decay, proton

ABSTRACT: The conversion electron spectra of ¹⁷thulium and ¹⁷ytterbium isotopes were
investigated with a beta spectrograph and a constant magnetic field. The samples were
obtained by irradiating a tantalum target for 1-2 hours with 660 Mev protons in the
synchrocyclotron of the Joint Institute of Nuclear Research. Film exposure usually
began about 3 hours after irradiation. The electron conversion lines for Tu¹⁶⁶, Yb¹⁶⁴,
Tu¹⁶⁴, and Tu¹⁶² are reliably identified and the results tabulated. Accuracy of
gamma-transition energy determinations was about 0.1%, and that of intensity deter-
minations was about 20% for strong lines and about 40% for weak lines. Previously

Cord 1/2

L 26783-66

ACC NR: AP6017454

unknown gamma transitions were found having the energies 112.8, 215.9, 228.1, 238.4, 293.2, 389.3, 496.8, 543.9 and 703.0 Kev. Results of the study are discussed in detail analyzed and compared with other published data. The decay schemes of Tu^{166} and Yb^{164} are diagrammed. The following gamma-transitions, arising during decay of Yb^{164} between the odd-odd levels of the Tu^{164} nucleus, were discovered for the first time: 37.5 (MI), 149.3, 164.5 (MI), 187.7 (MI), 190.3, 324.2, 327.3, 362.9 and 390.4 Kev. The intensities of these lines are discussed in detail, and conclusions reached are compared with those of other authors. Orig. art. has: 2 figures and 4 tables.

JPRS

SUB CODE: 20 / SUBM DATE: 31Jul64 / ORIG REF: 008 / OTH REF: 007

Card 2/2 CC

ACC NR: AP6030126

(N)

SOURCE CODE: UR/0120/66/000/004/0039/0041

AUTHORS: Gromov, K. Ya.; Mulditasimov, F. N.; Umarov, G. Ya.

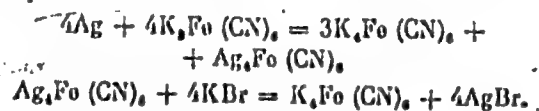
ORG: Joint Institute for Nuclear Research, Dubna (Ob'yedinennyy institut yadornykh issledovaniy)

TITLE: A method of intensifying the images of weak lines of conversion electrons, obtained with a beta spectrograph

SOURCE: Pribery i tekhnika eksperimenta, no. 4, 1966, 39-41

TOPIC TAGS: conversion electron spectrum, spectrographic camera, beta decay, photographic processing, isotope, sulfur, silver compound

ABSTRACT: A method of intensifying the images of weak lines of conversion electrons, obtained with a beta spectrograph, is proposed. The work was done to increase the efficiency of photographic recording of electrons. The developed and dried plate with images of conversion electrons is soaked with distilled water at +22C and is immersed in a solution of $K_3Fe(CN)_6$ (15 g), KBr (4 g), and H_2O (300 g). The following chemical reactions take place

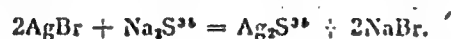


Card 1/2

UDC: 539.16

ACC NR: AP6030126

After decolorizing, the plate is washed until the yellow-green deposit disappears. It is then processed in a 0.8--0.1% solution of N_2S^{35} for 15 min. The radioactive sulfur joins the silver atoms:



The activated plate is washed in running water (for about 30 min) and dried. A fresh photographic plate is applied to the activated plate; a new, secondary image is created. The degree of intensification (attenuation) depends upon the exposure time. This method makes it possible to intensify the images of lines by a factor of at least 15. Orig. art. has: 2 formulas and 2 graphs.

SUB CODE: 20/14. SUBM DATE: 19Jul65/ ORIG REF: 003/ OTH REF: 004

Card 2/2

ACC NR: AP7011835

SOURCE CODE: UR/0367/66/004/006/1102/1107

AUTHOR: Gromov, K. Ya.; Mukhtasimov, F. N.

ORG: Joint Institute for Nuclear Research (Ob'yedinennyy institut yadernykh issledovaniy)

TITLE: Decay of Ho¹⁵⁹

SOURCE: Yadernaya fizika, v. 4, no. 6, 1966, 1102-1107

TOPIC TAGS: holmium, radioactive decay scheme, spectrograph, conversion electron spectrum

SUB CODE: 18,20

ABSTRACT: Using a β -spectrograph with a constant uniform magnetic field, the authors studied the spectra of conversion electrons from the decay of Ho¹⁵⁹. The resolving power of the β -spectrograph was about 0.05%. The results are listed in a table. New γ -transitions with the energies: 31.40; 41.14; 85.70; 100.60; 105.30; 132.00; 136.50; 153.05; 185.85; 186.40; 205.90; 217.67; 258.80; 338.70; 356.40; 395.40 keV were found. The multipolarities of a number of γ -transitions of Ho¹⁵⁹ were determined. The decay scheme of Ho¹⁵⁹ is suggested on the

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0932

0132

ACC NR: AP7011835

basis of the obtained data. Orig. art. has: 1 figure, 4 formulas and
2 tables. [Based on authors' Eng. Abst.] [JPRS: 40,423]

Card 2/2

L 45255-66 EWT(m)

ACC NR: AP6023079 (AN) SOURCE CODE: UR/0367/66/003/004/0602/0608

AUTHOR: Abdumalikov, A. A. ; Abdurazakov, A. A. ; Buribayev, S. B. ;
Gromov, K. Ya. ; Lebedev, N. A.

50
49
B

ORG: Joint Institute of Nuclear Research (Ob'yedinenny institute yadernykh
issledovaniy); Tashkent Polytechnic Institute (Tashkentskiy politechnicheskiy
institut)

TITLE: Conversion electron spectra of the Ce^{135} , Ce^{133} , and Ce^{132} isotopes

19

SOURCE: Yadernaya fizika, v. 3, no. 4, 1966, 602-608

TOPIC TAGS: conversion electron spectrum, nuclear energy, spectrographic
analysis, radioactive decay scheme, constant magnetic field, cesium isotope

ABSTRACT: Conversion electron spectra in the decay of Ce^{135} , Ce^{133} , and
 Ce^{132} isotopes in the energy region of 20—800 kev have been investigated with the
aid of a β -spectrograph with a constant magnetic field. The following new
 γ -transitions were found in the decay of Ce^{135} : 86.80 (E2 + M1), 146.0, 200.7,

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L 45255-66

ACC NR: AP6023079

and 267.5 kev; in the decay of Ce^{133} : 87.8(M1), 123.7, 127.8, 130.7(M1 + E2), 137.6, 142.3, 155.5(M1 or E1), 177.1, 178.6, 182.2(E1 or M1 + E2), 190.1(M1 or E1), 216.8, 251.5, 261.3, and 329.5 kev; in the decay of Ce^{132} : 76.8(M1), 97.1(M1) and 174.0 kev. It is assumed that 97.1 and 174.0 kev are excited in the $57La_{75}^{132}$ nucleus. A decay scheme for $Ce^{135} \rightarrow La^{135}$ has been proposed. The authors thank I. F. Uchevatkin for valuable discussions and for making available the results of his studies on Ce^{135} prior to publication. Orig. art. has: 1 figure and 6 tables. [Based on authors' abstract] [NT]

SUB CODE: 18/ SUBM DATE: 02Jul65/ ORIG REF: 011/ OTH REF: 005/

Card

2/2

GROMOV, K.M.

Preliminary information on research done at the Khibiny Station
under the program of the International Geophysical Year. Inform. sbor.
o rab. Geog. fak. Mosk. gos un po Mezhdunar. geofiz. godu no.1:133-137
'58. (MIRA 12:3)
(Khibiny Mountains--Hydrometeorology--Observations)

GROMOV, K.M.

Studying soil and ground moisture conditions. Inform. sbor. o rab.
Geog. fak. Mosk. gos un pe Mezhdunar. geofiz. godu no.1:158-185 '58.
(MIRA 12:3)

(Soil moisture)

GROMOV, K.M.

Study of the soil moisture in the Khibiny Mountains. Trudy Khib.
geog.sta.MGU no.1:131-163 '60. (MIRA 15:5)
(Khibiny Mountains--Soil moisture)

GROMOV, K.M.

Basic stages in the work of the Khibiny Geographical Station
of Moscow University, 1948-1958. Trudy Khib.geog.sta.MGU
no.1:3-9 '60. (MIRA 15:5)
(Khibiny Mountains--Geography)

GROMOV, I.

Labor liberated by the October Revolution. Okhr. truda i sots.
strakh. 3 no. 10:6-9 0 '60. (MIRA 13:11)

1. Spetsial'nyy korrespondent zhurnala "Okhrana truda i
sotsial'noye strakhovaniye," Baku.
(Baku--Railroads--Cars)

GROMOV, L.

Constructive initiative. Okhr. truda i sots. strakh. 3 no.5:18-23
My '60. (MIKA 13:12)

1. Spetsial'nyykorrespondent zhurnala "Okhrana truda i sotsial'noye
strakhovaniye."

(Rostov-Province---Trade unions)

(Rostov Province---Industrial hygiene)

GROMOV, L.

Miraculous alloy. Okhr. truda i sots. strakh. 3 no. 12:20-22
D '60. (MIRA 13:12)

1. Spetsial'nyy korrespondent zhurnala "Okhrana truda i
sotsial'noye strakhovaniye."
(Moscow--Metallurgical plants--Hygienic aspects)

GROMOV, L.; SAYENKO, K.

Lights on the Angara. Okh.truda i sots.strakh. no.1:21-29 Ja
'60. (MIRA 13:5)

(Bratsk Hydroelectric Power Station)

GROMOV, L.A.; BARANAYEV, M.K.

Tensile strength of liquids under hydrostatic tension. Izv.
vys. ucheb. zav.; khim. i khim. tekhn. 4 no. 2:320-321 '61.
(MIRA 14:5)

1. Voennoy akademii khimicheskoy zashchity. Kafedra
fizicheskoy i kolloidnoy khimii.
(Hydrostatics)

1. V.V. Tarasov; K.

Reply to V.V. Tarasov's report. In v.vys.ucheb. zap. (Leningrad)
Leningrad. 4. 3:520 '61. (14:10)
(Leningrad)
(Tarasov, V.V.)

MIKIRTICHEVA, Z.V., starshiy nauchnyy sotrudnik, kand.biol.nauk;
MENZHERETSKIY, A.I., starshiy nauchnyy sotrudnik, inzh.-podpolkovnik;
GROMOV, L.A., starshiy nauchnyy sotrudnik, kand.tekhn.nauk, inzh.-
polkovnik; OBOTOVA, M.N., mladshiy nauchnyy sotrudnik

Dressing materials made from cotton and rayon. Tekst.prom.
21 no.12:11-12 D '61. (MIRA 15:2)

1. Nauchno-issledovatel'skaya laboratoriya-3 Voenno-meditsinskoy
Ordена Lenina akademii imeni S.M.Kirova.
(BANDAGES AND BANDAGING)

ACCESSION NR: AP4014221

S/0075/64/019/002/0189/0194

AUTHORS: Gromov, L.A.; Osipov, V.A.

TITLE: Gas volumetric method for determining metallic zinc in zinc sulfide

SOURCE: Zhurnal analiticheskoy khimii, v. 19, no. 2, 1964, 189-194

TOPIC TAGS: zinc, metallic zinc determination, gas volumetric analysis, zinc sulfide, quantitative analysis, Zn sup 65 labelling

ABSTRACT: A method for determining zinc metal in zinc sulfide based on measuring in a vacuum apparatus the amount of hydrogen displaced with zinc on the dissolution of the zinc sulfide in hydrochloric acid is described (fig. 1). The method was tested on metallic zinc labeled with Zn^{65} . By this method not less than 90% of the zinc in zinc sulfide can be determined with an accuracy of 1×10^{-5} %. The content of zinc metal in zinc sulfide depends on preparation of the sample, i.e., on the temperature at atmospheric conditions of

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ACCESSION NR: AP4014221

the preliminary zinc sulfide treatment and on the time and temperature of calcining. Orig. art. has: 3 figures, 1 table and 1 equation.

ASSOCIATION: Leningradskiy tekhnologicheskii institut im. Lensovet (Leningrad Technological Institute)

SUBMITTED: 09Jan63

DATE ACQ: 12Mar64

ENCL: 02

SUB CODE: CH

NO REF SOV: 006

OTHER: 005

Card 2/48

GROMOV, L.I.; SAVINA, Ye.A.

Premature fetal activity as a medicobiological problem. Vest.
AMN SSSR 19 no.6:10-18 '64. (MIRA 18:4)

1. Nauchno-issledovatel'skiy institut sudobnoy meditsiny Ministerstva
zdravookhraneniya SSSR, Moskva.

SOV/3-59-3-8/48

22(1)

AUTHOR: Gromov, L.I., Candidate of Technical Sciences

TITLE: Our Readers Suggest (Nashi chitateli predlagayut)

PERIODICAL: Vestnik vysshey shkoly, 1959, Nr 3, pp 23-24 (USSR)

ABSTRACT: Students experience difficulty in comprehending certain parts of the course in descriptive geometry and drawing, and it takes some time to do the exercises on these subjects. Now that the majority of students will unite study with work, methods should be found to improve the teaching of these subjects. The author suggests that the time of lecturing be reduced and that three-dimensional models be extensively used, thereby causing a greater participation on the students' part during the lecture. Individual consultations, conducted systematically, and as a usual form of instructional work, should be introduced. They should take place in special laboratories where experienced instructors are regularly on duty. The author complains that the institute is in want of good methodo-

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SOV/3-59-3-8/48

Our Readers Suggest

logical material which would enable the students to do individual exercises in descriptive geometry and drawing independently. Since the curricula for the first courses contain complicated theoretical exercises, it will be necessary to establish a wide net of training-consultation points. The engineering-technical personnel of designing organizations may be enlisted to act as consultants in descriptive geometry and drawing. Under the new working conditions, instructional motion pictures must find a still wider application.

ASSOCIATION: Moskovskiy institut inzhenerov zheleznodorozhnogo transporta (Moscow Institute of Railroad Engineers)

Card 2/2

GROMOV, L. I.

Gromov, L. I.

"Calculation of the Circular Hydro-Insulating Membrane of a Tunnel
Taking into Account the Elastic Resistance of the Insulation." Min
Railways USSR. Moscow Order of Lenin and Order of Labor Red Banner
Inst. of Railroad Transport Engineers imeni I. V. Stalin. Moscow, 1955.
(Dissertation for the Degree of Candidate Technical Sciences.)

Knizhnaya Lotopis'; No. 27, 2 July, 1955

GROMOV, L. I. Dr.

Report on Activity of the Brain Lesenchyma under Normal and Pathological Conditions

Conference on the Physiological System of Interconnective Tissue, Kiev, Ukr. SSR,
1-4 Dec 1940 (6th Session, 4 Dec), Publication of the Acad. Sci. USSR, Kiev, 1941, p 673

GROMOV L.

//

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GROMOV, Leonid Innokent'yevich; MITYAYEVA, Nina Antonovna; PROZOROVSKIY,
V.I., red.; ROGOV, A.A., red.; BOGACHEVA, Z.I., tekhn.red.

[Manual of histology in medical jurisprudence] Posobie po
sudebno-meditzinskoi gistologii. Pod red. V.I. Prozorovskogo.
Moskva, Gos. izd-vo med.lit-ry, 1958. 204 p. (MIRA 12:2)
(HISTOLOGY--JURISPRUDENCE)

GROMOV, L.I.; SAVINA, Ye.A.

Study of sudden death. Sud.-med. ekspert. 3 no.3:7-12 J1-S '60.
(MIRA 13:9)

1. Nauchno-issledovatel'skiy institut sudebnoy meditsiny (dir. -
prof. V.I. Prozorovskiy) Ministerstva zdravookhraneniya SSSR.
(DEATH—CAUSES)

GROMOV, L.I.; SAVINA, Ye.A.; YAKOVLEVA, V.I.

Sudden death from hypertension (clinical and anatomic characteristics).
Sud.-med. ekspert. 4 no.4:7-11 O-N-D '61. (MIRA 14:12)

1. Nauchno-issledovatel'skiy institut sudebnoy meditsiny (dir. -
prof. V.I.Prozorovskiy) Ministerstva zdravookhraneniya SSSR.
(HYPERTENSION) (DEATH-CAUSES)

PROZOROVSKIY, V.I., zasl. deyatel' nauki, prof., otv. red.;
BRONNIKOVA, M.A., prof., red.; GROMOV, L.I., prof., red.;
KANTER, E.I., st. nauchn. sotr., red.; KOLOSOVA, V.M.,
st. nauchn. sotr., red.; KUBITSKIY, Yu.M., prof., red.;
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1. Vsesoyuznaya konferentsiya sudebnykh medikov. 4th, 1962.
2. Nauchno-issledovatel'skiy institut sudebnoy meditsiny
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tel'skogo instituta sudebnoy meditsiny Ministerstva zravo-
okhraneniya SSSR (for Prozorovskiy). 4. Zamestitel' Predse-
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1. Patologicheskiy otdel (zav. - prof. I.I. Grimov) Institut'skoy meditsiny (dir. - prof. V.I. Proskovitskiy) Ministerstva zdravookhraneniya SSSR, Moskva. Submitted April 18, 1963.

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pokoleniy."

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KHRAPOV, V.G., kand. tekhn. nauk

Crack resistance of concrete. Trudy MII no.191:144-151. '64.
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GROMOV, L.K., inzhener, Novosibirsk.

Some measures for improving the superstructure. Zhel.dor.transp.
37 no.10:45-46 0 '55. (MIRA 9:1)

(Railroads--Track)

GROMOV, L.K. Inzhener (g. Novosibirsk)

Shortcomings in designing crushed-rock road beds. Zhel. dor.
transp. 38 no.8:63-66 Ag '56. (MLRA 9:10)

(Railroads--Track)

ALEKSANDROV, A.Ya.,prof.; GHOMOV, L.K.,assistant

Friction action in a railroad track base. Trudy NIIZHT no.14:151-
153 '58. (MIRA 12:1)

1. Novosibirskiy institut inzhenerov zheleznodorozhnogo transporta.
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DANOVSKIY, L.M., dots, kand. tekhn. nauk; GROMOV, L.K., kand. tekhn. nauk;
KONDAKOV, N.P., dots.; MIROSHIN, P.V., dots.; PECHUGIN, D.A., dots.;
ANTONOV, Yu.A., inzh. (Novosibirsk)

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10-12 Mr '59. (MIRA 12:6)

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dots. (Novosibirsk)

Mechanizing operations in major track overhauling. Put' 1 put.
khos. 4 no.3:22 Mr '60. (MIRA 13:5)
(Railroads--Maintenance and repair)

DANOVSKIY, L.M., kand.tekhn.nauk; KOTYUKOV, I.A., kand.tekhn.nauk;
KONDAKOV, N.P., kand.tekhn.nauk; SHATALIN, I.I., kand.
tekhn.nauk; GROMOV, L.K., kand.tekhn.nauk; PECHUGIN, D.A.,
dots.; MIROSHIN, P.V., dots.; SHCHEPOTIN, K.I., assistant
(Novosibirsk)

New textbook on tracks ("Tracks" by G.Al'brekht and others.
Reviewed by L.M.Danovskii and others). Put' put.khoz.
4 no.4:45-47 Ap '60. (MIRA 13:7)

1. Sotrudniki kafedry "Put' i putevoye khozyaystvo"
Nauchno-issledovatel'skogo instituta inzhenerov.
(Railroads--Track) (Al'brekht, G.) (Liders, G.V.)
(Nikiforov, P.A.) (Chlenov, M.T.) (Chernyshev, M.A.)

DANOVSKIY, Leonid Mechislavovich, dots., kand. tekhn. nauk; GROMOV, L.K., kand. tekhn. nauk, dotsent; ANTONOV, Yu.A., dots.; MIL'CHAKOV, K.V., inzh.; KOTYUKOV, I.A., kand. tekhn. nauk, dotsent; CHASHCHIN, N.P., inzh.; MIROSHIN, P.V., dotsent; INOZEMTSEV, A.A., inzh.; PECHUGIN, D.A., dotsent; KOVALEV, N.F., inzh.; SINKIN, P.A., inzh.; POTOTSKIY, G.I., inzh., red.; USENKO, L.A., tekhn. red.

[Track work in sections with heavy freight traffic; from the experience of the Omsk and Tomsk Railroads] Putevye raboty na gruzonapriazhennykh uchastkakh; iz opyta Omskoi i Tomskoi dorog. Moskva, Vses. izdatel'sko-poligr. ob'edinenie M-va puti soobshcheniya, 1961. 102 p. (MIRA 14:7)

(Railroads—Maintenance and repair) (Railroads—Freight)

KONDAKOV, N.P., kand.tekhn.nauk (g.Novosibirsk); GROMOV, L.K., kand.tekhn.
nauk (g.Novosibirsk)

Tonnage norms for periods between track repairs. Put' i put. khoz.
5 no. 1:34-35 Ja '61. (MIRA 14:5)
(Railroads—Management)

GRONOV, L.K., kand. tekhn. nauk, dotsent

Role of the ballast bed and required characteristics of ballast materials. Trudy NIIZHT no. 31:110-124 '62. (MIRA 16:9)
(Ballast (Railroads))

GROMOV, L.K., dotsent, kand.tekhn.nauk (Novosibirsk)

Prospects of the use of asbestos ballast. Put' i put.khoz. 6
no.3:3-5 Mr '62. (MIRA 15:3)
(Ballast (Railroads)) (Asbestos)

GROMOV, L. K., dotsent (Novosibirsk); PECHUGIN, D. A., dotsent
(Novosibirsk)

Organization of work on tracks with asbestos ballast. Put' i
put. khoz. 6 no.10:22-26 '62. (MIRA 15:10)

1. Novosibirskiy institut inzhenerov zheleznodorozhnogo
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(Railroads—Maintenance and repair)
(Ballast(Railroads))

GROMOV, L.K., dotsent (Novosibirsk); KONDAKOV, N.P., dotsent (Novosibirsk)

Asbestos ballast instead of the combined type. Put' i put.
khoz. 7 no.5:15-17 '63. (MIRA 16:7)

1. Novosibirskiy institut inzhenerov zheleznodorozhnogo
transporta.
(Ballast (Railroads)) (Asbestos)

GROMOV, I.K., kand. tekhn. nauk, dotsent; KORDAKOV, E.P., kand. tekhn. nauk,
dotsent

Efficiency of a crushed stone ballast section in heavy traffic sectors.
Trudy MIZHT no. 31:87-107 '62. (MIRA 16:9)
(Ballast (Railroads))

GROMOV, L. V. Cand Geolog-Mineralog Sci.

Dissertation: "Geological Structure and Minerals of the Vrangol Island." All-Union
Sci. Res. Inst. of Mineral Raw Materials. 26 Feb 47.

SO: Vechernyaya Moskva, Feb, 1947 (Project #17830)

1. GROMOV, L. [V.]

2. USSR (600)

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7. Beyond the sixty-ninth parallel ("Arctic Circle." Reviewed by L. Gromov).
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9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

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"Traces of an Ancient Settlement of Wrangel Island," Chronicles of the North; Yearbook of Historical Geography, History of Geographical Discoveries and Exploration of the North) v. 2, Moscow, Geografiz, 1957. 279 p. (Akademiya Nauk SSSR. Kommissiya po problemam Severa).

Editorial Board: Andreyev, A. I., Belov, M. I., Burkhanov, V. F., Yefimov, A. V. (Resp. Ed.), Chernenko, M. B. (Deputy Resp. Ed.) and Sheherbakov, D. I.; Ed.: Vorontsova, A. I.; Tech. Ed.: Kozheleva, S. M.; Map. Ed.: Mal'chevskiy, G. N.

PURPOSE: The book is intended for readers interested in the Soviet Arctic.

COVERAGE; The present volume, the second of a series of three, is a collection of 27 articles by various authors presenting an historical account of the exploration and economic development of the Soviet North. A small part of the book is devoted to Arctic areas beyond the confines of the Soviet Union. The aim of the book is to contribute to an understanding of the physical geography, cartography, ethnography, and economy of the Soviet North through a historical survey of these factors. A large number of authors explorers, scientists, travelers, pilots, navigators, etc. are cited.

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Traces of an ancient settlement on Wrangel Island. Let. Sev. 2:155-
156 '57. (MIRA 10:12)

1. Sovet po izucheniyu proizvoditel'nykh sil AN SSSR.
(Wrangel Island--Antiquities)

GLAZKOV, Mikhail Mikhaylovich; GROMOV, L.V., red.; VINOGRADOVA, N.M.,
red.izd-va; YERMAKOVA, T.T., tekhn.red.

[The Yenisey, the great Siberian river] Enisei - velikais
sibirskais reka. Moskva, Izd-vo "Rechnoi transport," 1959.
216 p. (MIRA 12:2)

(Yenisey Valley--Description and travel)

GROMOV, Leonid Vasil'yevich; KUZ'MINA, N.G., red.; KONOVALYUK, I.K.,
mladshiy red.; VIL'NISKAYA, M.N., tekhn.red.

[Fragment of ancient Beringiya] Oskolok drevnei Beringii.
Moskva, Gos.izd-vo geogr.lit-ry. 1960. 95 p. (MIRA 13:5)
(Wrangell Island)

GROMOV, Leonid Vasil'yevich; KUZ'MINA, N.G., red.; KONOVALYUK, I.K.,
mladshiy red.; VILENSKAYA, E.N., tekhn. red.

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(Wrangel Island—Discovery and exploration)
(Wrangel Island—Economic geography)

GROMOV, Leonid Vasil'yevich; GUSSAKOVSKAYA, O.N., red.; FEDOROVA, V.V.,
tekhn. red.

[Wrangel Island; popular science study] Ostrov Vrangelia; nauchno-
populiarnyi ocherk. Magadan, Magadanskoe knizhnoe izd-vo, 1961.
(MIRA 14:11)

94 p.

(Wrangel Island—Discovery and exploration)

(Wrangel Island—Economic geography)

LIKHANOV, B.N.; KHAUSTOVA, M.N.; YEROKHINA, A.A.; MARKOV, F.G.; SPIZHARSKIY, T.N.; DODIN, A.L.; KHIL'TOVA, V.Ya.; CHEREPNIN, L.M.; GROMOV, L.V., kand. geol.-mineral. nauk; SHCHERBACHEV, V.D.; SHUTYY, M.Ye.; NEMCHINOV, V.S., akad. red.; NEKRASOV, N.N., red.; PUSTOVALOV, L.V., red.; ZUBKOV, A.I., kand. ekon. nauk, red.; KAVUN, T.K., red. izd-va; SUSHKOVA, L.A., tekhn. red.

[Natural conditions of Krasnoyarsk Territory] Prirodnye uslovia Krasnoyarskogo kraia. Moskva, Izd-vo Akad. nauk SSSR, 1961. 248 p.
(MIRA 14:7)

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(Krasnoyarsk Territory-- Natural history)

GROMOV, L.V.

Chalcedonies of northern Europe, Siberia, and the far East and
their prospective utilization. Probl. Sev. no.4:145-150 '61.
(MIRA 15:1)

(Chalcedony)

GROMOV, L.V., kand. geol.-min. nauk, otv. red.; NEMCHINOV, V.S.,
akademik, red.; NEKRASOV, H.H., red.; PUSTOVALOV, L.V.,
red.; ZUBKOV, A.I., kand. ekon. nauk, red.; DASHEVSKIY, V.V.,
red. izd-va; ASTAF'YEVA, G.A., tekhn. red.

[Minerals of Krasnoyarsk Territory; coals, iron, and non-
metalliferous minerals] Poleznye iskopayemye Krasnoyarskogo
kraia; ugli, zhelezo, nerudnoe syr'ye. Moskva, Izd-vo Akad.
nauk SSSR, 1962. 205 p. (MIRA 15:10)

1. Krasnoyarskaya kompleksnaya ekspeditsiya. 2. Chlen-
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Akademii nauk SSSR (for Gromov).
(Krasnoyarsk Territory—Mines and minerals resources)

GROMOV, M., kand.tekhn.nauk

Metal age. Znan.sila 34 no.2:2-3 F '59.
(Metallurgy)

(MIRA 12:3)

GROMOV, M.

Factory sanatorium. Okhr. truda i sots. strakh. no.1:18-20 J1 '58.
(MIRA 11:12)

1.Spetsial'nyy korrespondent zhurnala "Okharana truda i sotsial'noye
strakhovaniye."
(Novo-Kramatorsk--Industrial medicine)

GROMOV, M.

How to reduce steam moisture. Obshchestv. pit. no.9:52 S '58.
(MIRA 11:10)

1. Starshiy inzhener teplovoy laboratorii Tsentral'nogo konstruktorskogo byuro torgovogo mashinostroyeniya.
(Steam)

GROMOV, M., inzh. teplovoy laboratorii; TSVETKOVA, A., inzh. teplovoy
laboratorii

Selecting diameter of the nozzle of a gas burner. Obshchestv.
pit. no.9:53 S '58. (MIRA 11:10)

1. Tsentral'noye konstruktorskoye byuro torgovogo mashinostroyeniya.
(Gas burners)

VYSHELESSKIY, A., prof., doktor tekhn.nauk; GROMOV, M., inzh.-mekhanik

Using liquefied gas. Obshchestv. pit. no.11:50-52 N '58.

(Gases, Compressed)

(MIRA 11:12)

GROMOV, M.

Determining the heating surface of a steam-operated water heater.
Obshchestv. pit. no. 4:44-45 Ap '59. (MIRA 12:6)

1. Rukovoditel' gruppy teplovy laboratorii Tsentral'nogo konstruktor-
skogo byuro trgovogo mashinostroyeniya.
(Water heaters)

VYSHELESSKIY, A., prof., doktor tekhn.nauk; GORDON, L., dots., kand.tekhn.
nauk; GROMOV, M., inzh.-mekhanik

Automatic safety device for gas appliances. Obshchestv.pit.
no.1:46-48 Ja '60. (MIRA 13:5)
(Gas appliances)

VOLKOV, V., kand. tekhn. nauk; GROMOV, M.

Advantages of the operation of suction dredges by the fixed-spud method. Rech. transp. 24 no.7:35-36 '65.

(MIRA 18:8)

1. Gor'kovskiy institut inzhenerov vodnogo transporta (for Volkov). 2. Volzhskoye basseyenovoye upravleniye puti (for Gromov).

BOYTSOV, G., inzh.; VLADIMIROV, N., inzh.; GROMOV, M., inzh.

Thorough study of piloting. Rech. transp. 21 no. 5:48-49 My
'62. (MIRA 15:5)

(Pilots and pilotage)

GROMOV, M.

Halfway around the world. p. 8.
(SKRZYDLATA POLSKA. Vol. 12, no. 38, Sept. 1956, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.
Uncl.

28(1)	PHASE I BOOK EXPLOITATION	SOV/2156
	Sovetskaniye po kompleksoy mekhanizatsii i avtomatizatsii tekhnologicheskikh protsessov. 2nd, 1956.	
	Avtomatizatsiya mashinostroyeniya protsessov /trudy sovetskaniya/... (Automation of Machine Building Processes; Proceedings of the Conference on Over-All Mechanization and Automation of Technological Processes, Vol. 1: Hot Metal-Forming) Moscow, 1959. 394 p. 5,000 copies printed.	
	Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya. Komissiya po tekhnologii mashinostroyeniya.	
	Reap. Ed.: V.I. Dikushin, Academician; Compiler: V.M. Maslov; Ed. of Publishing House: V.A. Petrov; Tech. Ed.: I.P. Kuz'min.	
	PURPOSE: The book is intended for mechanical engineers and metallurgists.	
	COVERAGE: The transactions of the Second Conference on the Over-All Mechanization and Automation of Industrial Processes, September 25-29, 1956, have been published in three volumes. This book, Vol. 1, contains articles under the general title, Hot Working of Metals. The investigations described in the book were conducted by the Section for Automation and Hot Working of Metals, under the direction of the following scientists: casting - A.I. Tsolikov, P.M. Maslov, D.P. Ivanov and G.M. Orlov; forming - A.I. Tsolikov, P.M. Maslov and V.T. Melcherini; welding - G.A. Nikolayev, B.Y. Prolov and G.A. Maslov. There are 103 references: 32 Soviet, 34 English, 6 German, and 1 French.	
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TS/air
9/13/59

Card 8/8

AUTHOR: Gromov, M.A., Engineer

001/135-58-12-13/20

TITLE: Control of the Quality of Weld Joints by Means of an Electronic-Optical Converter (Kontrol' kachestva svarnykh soyedineniy elektronno-opticheskim preobrazovatelem)

PERIODICAL: Svarochnoye proizvodstvo, 1958, Nr 12, pp 35-36 (USSR)

ABSTRACT: Information is given on electronic-optical converters combined with X-ray apparatus for controlling the quality of weld joints, which are now being used in foreign welding practice. Mass production of such devices and of electric vacuum tubes by the Moscow sovnarkhoz is suggested for the purpose of introducing electronic-optical control of weld joints into the Soviet industry. There is 1 diagram and 4 English references.

Card 1/1

GROMOV, M.A., inzh.

Portable welding transformer of a lighter design Rationalization
no.12:23 '62.

5/15/62/000/006/010/014
RG 6/A156

AUTHOR: Grolov, M. A., Engineer

TITLE: New welding-arc power sources

PERIODICAL: Svarshcheye proizvodstvo, no. 6, 1962, 20-22

TEXT: The following new welding-arc power sources will be produced in series in the near future: the portable welding transformer ТСП-1 (TSP-1) developed by VNIIEAO, intended for one-position arc welding in assembly and repair work with 4 - 5 mm electrodes; multi-purpose welding transformer ПСУ-500 (PSU-500) intended for automatic and semi-automatic submerged arc-welding, welding in a gas shield with consumable electrode and for manual welding with an open arc. The silicon-semiconductor welding rectifiers ВКС-120 (VKS-120) and ВКС-300 (VKS-300) are one-position d-c power sources for arc welding: they are portable generators with three-phase power supply. The portable АСБ-120 (ASB-120) welding unit will be used under field conditions and when electric power supply for the driving engine is not available. The unit can be employed for welding with bare or coated electrodes. There are 3 tables and 5 figures.

Card 1/1

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